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UPM produces 753 bottles of hand sanitisers to combat COVID-19

By Khairul Anuar Muhamad Noh

SERDANG, March 31 - A group of researchers from the Faculty of Engineering, Universiti Putra Malaysia (UPM) has taken the initiative to produce more than 700 hand sanitisers using aloe vera gel formulation to prevent the spread of the COVID-19 virus.

Head of the Department of Chemical and Environmental Engineering, Assoc. Prof. Dr. Mohd Razif Harun, said the production of hand sanitisers at the Materials and Characterization Laboratory, Department of Chemical and Environmental Engineering, Faculty of Engineering, started once the country was hit by the COVID-19 virus infection and when hand sanitisers became increasingly difficult to obtain in

the market.

"Other than the aloe vera gel, the product contains ionic liquid, pure alcohol and natural essential oils such as lavender, lemon, peppermint and tea tree oils. These oils are added to the mixture as it has the potential to fight bacteria, germs and prevent infection."

"This product by UPM is suitable for public use. It has been tested at UPM lab and has proven to disinfect, and it complies with the World Health Organization (WHO) standards.

"Our team managed to produce 703 bottles of 30ml and 50 bottles of 300ml. The total production was based on demand and availability of raw materials.

"However, for the time being we have discontinued production as the allocations and facilities

have been fully utilised. If there is an interest by any outside parties who want to commercialise this product, we welcome such cooperation as it requires greater allocation, full time staff and bigger facilities," he added.

Meanwhile, UPM Dean of Faculty Engineering, Prof. Ir. Ts. Dr. Nor Kamariah Nordin, said the group's effort was able to at least reduce the demand for hand sanitisers which is lacking in the local market.

She said the production group, consisting of lecturers, research officers, executive officers and assistant engineers from the Department of Chemical and Environmental Engineering, were Associate Professor Dr. Norhafizah Abdullah, Dr. Dayang Radiah Awang Biak, Dr. Mohd

Yusof Harun, Shafizah Masuri, Nurhazirah Ismail, Norhasliza Hasan, Adli Nazri Mohd Kassim, Maslinda Abdullah and Norisham Abdul Wahab.

"The product is not for sale, but it is more for internal use within the campus, especially at the central areas around the Faculty of Engineering, such as at the office counters and elevators, as the first precautionary measure for faculty members," she added.

She added that there were internal requests for the product which is not for commercialisation purpose from the Association of Administrators, UPM (PPUPM), Development Office and Asset Management (PPPAUPM) and UPM staff. - UPM



UPM expresses condolences

SERDANG, March 30 - Universiti Putra Malaysia's (UPM) staff and students would like to express their heartfelt condolences to the family of Prof. Emeritus Tan Sri Dato' Dr. Mohd Rashid Hj. Baba upon his demise today on 30 March 2020. May Allah S.W.T. bless his soul and place him among His Highteous believers. Al Fatihah.

His passing marks the loss of a leader and strong supporter in agriculture to UPM and the country. His efforts and contributions to UPM, the people and the nation will continue as beneficence that will not be forgotten.

He received strong encouragement and support from his former teacher Pak Rashid or Mohd Rashid Ahmad, the Farm Director (1964-1969) and was once a board member of Yayasan Pak

Rashid.

His success in leading and developing the College of Agriculture Malaya had attracted the attention of the second Prime Minister of Malaysia, Tun Abdul Razak, and this had led to his appointment as the first Vice-Chancellor of Universiti Kebangsaan Malaysia for three years, beginning 1969. Nevertheless, his passion in the agricultural field had contributed to his appointment as the first Vice-Chancellor of Universiti Pertanian Malaysia from 1971 to 1982.

As the first Vice-Chancellor, he had successfully established nine faculties and two centres that handled 19 degree programmes, nine diploma programmes and one professional and advanced degree programme. - UPM



UPM Emergency Response Team (ERT-UPM COVID-19)

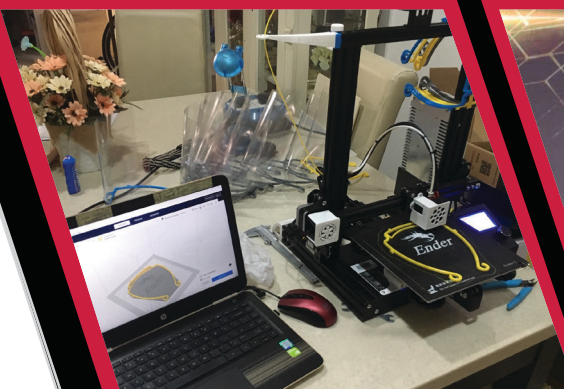
By Prof. Dr. Azmawani Abd Rahman

SERDANG - Since the start of the Movement Control Order on 18 March 2020 across the country to prevent the COVID-19 outbreak, the Emergency Response Team at Universiti Putra Malaysia (UPM) (ERT-UPM COVID-19) has

played a crucial role in ensuring UPM's continuity of services and preparedness in handling the issue quickly and effectively. The team is led by the Incident Commander, UPM Vice-Chancellor, Prof Datin Paduka Setia Dato' Dr. Aini Ideris. At UPM, all activities and

Turn page 2 >

Three UPM volunteers produce face shields against COVID-19 for hospitals >2



UPM wins two National Occupational Safety and Health Awards >3



Sophisticated closed poultry house, equipped with temperature control system >4



Three UPM volunteers produce face shields against COVID-19 for hospitals

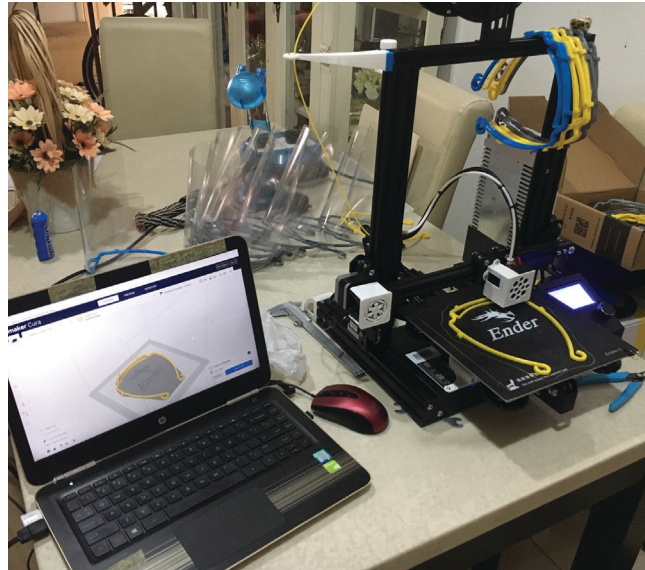
By Khairul Anuar Muhamad Noh

SERDANG, March 28 – A group of volunteers from Universiti Putra Malaysia (UPM), consisting of two lecturers and a student have taken the initiative to produce face shields in their house for the needs of frontline workers combating the coronavirus (Covid-19) outbreak at a few hospitals in the Klang Valley.

The project to produce face shields was initiated by Ts. Dr. Mohd Shahrizal Dolah, Dr. Saiful

Hasley Ramli and a postgraduate student, Mohd Firuz Mohd Anwar. All three, from the Department of Industrial Design, Faculty of Design and Architecture (FRSB), UPM and started the project since March 25.

According to the group leader, Ts. Dr. Mohd Shahrizal Dolah, they used their own expenses and remaining materials contributed from the research grants of other lecturers, Siti Mastura Ishak, Fabian Husna and Dr. Velu Perumal, to produce face shields.



He said the group also received equipment donated by a non-governmental organization (NGO), 3D Printing Malaysia Community for COVID 19 (Group), which also distributed

the equipment to other volunteers who were doing printing work at home.

"Among the hospitals that received contributions of face shields designed by the team



were Teaching Hospital UPM (HUPM) which served as the Covid19 test laboratory to detect early cases, Serdang Hospital and Kajang Hospital.

"The three of us have been

busy and are only able to produce 45 pieces of face shields a day. To date we have produced 180 pieces of face shields which have been distributed to the hospitals. - UPM

UPM Emergency Response Team (ERT-UPM COVID-19)

> From page 1

issues related to COVID-19 are coordinated in the UPM COVID-19 Operations Room located at the OSH Hall, Occupational Safety and Health Management Office (PPKKP), UPM. The activities in the operations room are led by Director of Occupational Safety and Health Management Office, Assoc. Prof. Dr. Mohd Rafee Baharudin. All coordination of information, issues, and problems arising from all UPM entities are implemented quickly and effectively in this COVID-19 Operations Room.

This operations room monitors and updates main activities to curb the spread of COVID-19 virus. Information regarding the level of risk within UPM community members is identified and analysed daily. Those at high risk including the ones at Bintulu Campus are contacted immediately for further information. A control measure plan has also been developed to ensure directives issued to UPM community members are clear and informative. Besides that, the operation rooms also manages data related to the number of students residing at colleges, the number going in and out of campus grounds, number of staff and students related to COVID-19 cases, free food distribution schedule for the students and

contribution list.

These vital statistics are updated every two hours and important data is forwarded to the Ministry of Higher Education twice daily. This collaboration includes the University Health Centre, University Security Division, Student Affairs Division and Corporate Strategy and Communications Office.

The Emergency Response Team Committee Meeting, chaired by UPM Vice-Chancellor as the Incident Commander, is held daily through video conferencing at the UPM COVID-19 Operations Room. This meeting coordinates daily information, makes decisions on issues requiring immediate attention, and plans the university initiatives in ensuring the implementation and management of the COVID-19 crisis is done effectively, quickly and efficiently.

The General Risk Assessment Form for COVID-19 Infection distributed to the campus community is analysed daily to examine and monitor the level of risk among UPM community according to their contact history with individuals who are COVID-19 positive. This analysis is also presented daily at the Emergency Response Team Committee Meeting to ensure coordination of information and coordination of actions to be taken on those at high risk.



Besides, the UPM COVID-19 Operations Room also acts to ensure the safety and cleanliness of food served at the gazetted colleges are always at a high level. Suppliers appointed for student food distribution, including international students, are given health and safety briefings by the staff at the UPM COVID-19 Operations Room. Staff on duty also coordinates disinfection activities at places or locations identified as contaminated with COVID-19. The UPM COVID-19 Operations Room serves as a liaison to agencies and entities related to the safety and health of employees. Among other activities conducted are meetings with Public Health Experts at the Department of Community Health and Experts

at the Department of Psychiatry, Faculty of Medicine and Health Sciences, UPM.

The UPM Emergency Response Team (ERT-UPM COVID-19) not only focuses on continuity of services but also plays a key role in assisting the National Security Council (NSC) indirectly during the Movement Control Order to break the chain of the COVID-19 infection at the campus level.

The management of this outbreak could not be handled individually without involving the relevant experts and entities within the University. Coordinated cooperation is required to achieve the goal of having effective outbreak preventive measures. - UPM

Alif Akmal elected as YDP MPP Session 2019/2020

By Noor Eszereen Juferi

Photo by Mohammad Izrul Abdul Jabar

SERDANG, March 11 – A student of Bachelor of Mechanical and Manufacturing Engineering, Faculty of Engineering, Universiti Putra Malaysia (UPM), Alif Akmal Omar, has been selected as President of the Student Representative Council (MPP) for 2019/2020 Session.

Alif Akmal received a symbolic handover appointment from UPM Vice-Chancellor, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris, during the Handover Ceremony of MPP UPM 2019/2020 Session at the Dewan Taklimat Serdang, UPM, here.

Also present were Deputy Vice-Chancellor (Student Affairs and Alumni), UPM, Prof. Dr. Mohd. Roslan Sulaiman and Head of Administration, Office



of the Deputy Vice-Chancellor (Student Affairs and Alumni), UPM, Noorizai Mohamad Noor.

Prof. Datin Paduka Setia Dato' Dr. Aini in her speech

said MPP is the backbone of the university's management in ensuring the welfare and wellbeing of UPM students. - UPM

Congratulations

to the newly elected executive committee members of the
Young Scientist Network-Academy of Sciences Malaysia (YSN-ASM) 2020

Dr. Chau De Ming
 Faculty of Medicine and Health Sciences
 Chair: Science Integrity

Assoc. Prof. Dr. Wan Azlina Wan Ab Karim Ghani
 Faculty of Engineering
 Chair: Science Policy and Governance

Assoc. Prof. Dr. Siti Sarah Othman
 Faculty of Biotechnology and Biomolecular Sciences
 Co-Chair: Science International Networking

Dr. Manraj Singh Cheema
 Faculty of Medicine and Health Sciences
 Co-Chair: Science Integrity

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Four UPM young lecturers selected as members of the YSN-ASM 2020 Executive Committee

SERDANG - Four young lecturers from Universiti Putra Malaysia (UPM) have been selected as the executive committee members of the Young Scientist Network-Academy of Sciences Malaysia (YSN-ASM) for 2020.

The young lecturers given the trust are Dr. Chau De Ming and Dr. Manraj Singh Cheema from the Faculty of Medicine and Health Sciences.

Both have been appointed as the Chair and Co-Chair of the Science Integrity Working Group respectively. Assoc. Prof. Dr. Wan Azlina Wan Ab Karim Ghani (Faculty of Engineering) has been appointed as the Chair of the Science Policy and Governance Working Group, while Assoc. Prof. Dr. Siti Sarah Othman (Faculty of Biotechnology and Biomolecular Sciences) was appointed as the Co-chair

of the Science International Networking Working Group. YSN-ASM is a network established in December 2012 as part of the Academy of Sciences Malaysia (ASM). This network represents the voice of the nation's young scientific community that acts as a thinking group, leaders and implementors who lead the most advanced science in this country and contribute significantly to the field of science, engineering, technology, and innovation at the global stage.

It is hoped that this group of prominent young scientists will be able to realise both UPM's and the nation's aspiration in achieving scientific excellence and creating progressive impact towards the development of the STEM field in this country - UPM



UPM wins two National Occupational Safety and Health Awards

By Noor Eszereen Juferi
Photo by Marina Ismail

SRI KEMBANGAN, Feb 28 - Universiti Putra Malaysia (UPM) won two awards at the recent National Occupational Safety and Health Award 2019 ceremony. The awards were for two categories, namely Recognition of the Organisation (Institute of Higher Learning) and Recognition of Individual (Chief Executive Officer Award (CEO of the Year) Public Sector). The award for Recognition of the Organisation (Institute of Higher Learning) category was

received by the Director of the Occupational Safety and Health Management Office, UPM, Assoc. Prof. Dr. Mohd Rafee Baharudin, while the award for Recognition of Individual (Chief Executive Officer Award (CEO of the Year) for the Public Sector) was awarded to UPM Vice-Chancellor, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris.

These awards were presented by the Ministry of Human Resources Secretary-General, Dato' Amir Omar, here.

The National Occupational Safety and Health Award is an annual event organised

by the National Council for Occupational Safety and Health (NCOSH), giving national recognition to leaders, Chief Executive Officers, journalists and organisations from various industry sectors that demonstrate a brilliant record of excellence in managing occupational safety and health at the workplace.

These prestigious awards are a form of recognition for individuals and organisations by the government for their exceptional feats in having a safe and healthy workplace culture. - UPM



UPM student represents Malaysian youth at ASEAN-Russia Youth Summit

By Siti Aisah Harun

MANILA, Nov 26 - A Master of Science student from the Institute of Advanced Technology (ITMA), Universiti Putra Malaysia (UPM), Alya Hananin, 24, represented Malaysia at the Fifth ASEAN-Russia Youth Summit in Manila, Philippines.

Alya was one of the four Malaysian youth delegates to the international conference which was also attended by representatives from each ASEAN country and Russia.

She was selected to represent Malaysia after participating in a series of selection programmes which included essay writing, psychometric test, group assignment, public speaking and interview sessions conducted by the Ministry of Youth and Sports, involving 5,000 candidates from all over Malaysia, aged between 18 and 34 years old.

"I feel so fortunate to have been selected to participate in this programme and also proud to introduce the Malaysian cultures and UPM's name to ASEAN and Russian youths,"

she said.

The youth summit, themed "Enhancing People-to-People Connectivity between ASEAN and Russia" is aimed at encouraging mutual understanding between ASEAN countries and Russia through discussions and cultural activities.

The summit has successfully drafted the Declaration of "Young People's Contribution to ASEAN-Russia Relations: Enhancing People-to-People Connectivity" that focused on three core areas - education,

Concerned about COVID-19 issues, YOSH UPM takes initiative to distribute 'Smile Pack'

By Nurul Athira Mohd Affandi

SERDANG, March 20 - More than 1,600 Universiti Putra Malaysia (UPM) students from UPM Serdang Campus and UPM Bintulu Campus have been forced to stay at their Residential Colleges following the Movement Control Order which took effect from March 18-31, 2020.

UPM Alumni YOSH Chapter, together with MyFundAction and Food For Hunger Organisation - F4H, came forward to help ease the burden of students and frontline staff at UPM by distributing 200 packs of ready-to-eat food, 'Smile Pack'.

'Smile Pack' is a set meal consisting white basmati rice, beef curry pack and chicken curry pack.

The innovative ready-to-eat food pack could last up to two years without the use of preservatives. It uses a German packaging technology, a retort sterilisation process to eliminate bacteria.

Deputy YDP of UPM Student Representative Council (MPP), and Head of COVID-19 Taskforce, Mohd Khairul Amirin, said the number of students who had to stay at residential colleges in UPM Serdang was 1,175, involving 10 colleges and UPM Guest House.

"The Student Affairs Division (BHEP), UPM and the MPP representatives are constantly striving to ensure the welfare of students at colleges is good and safe.

"This form of ready-to-eat food aid is welcomed to help

staff and students to obtain food which is guaranteed clean," he said.

President of UPM Alumni YOSH Chapter, Muhammad Azri, said Chapter YOSH took the responsibility by playing their role in helping students.

"We collaborate with MyFundAction and Food For Hunger to provide 100 'Smile Pack' to students, consisting white basmati rice, chicken curry and 100 packs of beef from Qurban Care For Ummah (QC4U)," he said.



FPAS organises Environmental Forensic Education & Research Exhibition

HULU SELANGOR - The Faculty of Environmental Studies (FPAS), Universiti Putra Malaysia (UPM) has organised the Environmental Forensic Education & Research Exhibition in conjunction with the celebration of National Environment Day at the Hulu Selangor district level recently.

The programme was officiated by a representative from the Office of Member of Parliament for Hulu Selangor, Low Chun Yong. Also present were District Council Member, B. Rajakumar and Assistant Secretary of the Hulu Selangor District Council (MDHS), Mohd. Shaiful Rizza Piamin, MDHS Council Member and MDHS Department Director.

The programme was organised in collaboration with STANCO State of Selangor, MDHS Department of Solid Waste and Public Cleansing (JPSPPA) and Department of

Environmental Sciences, Faculty of Environmental Studies, UPM.

The Environmental Forensic Education & Research Exhibition is one of the activities of the Integrated Environmental Studies Course (ESC4801) for third year students of the Bachelor of Environmental Science and Technology (BSTAS) and the Knowledge Transfer Project for Bernam River

Monitoring and Potential Water Treatment System to the Bernam River community.

The celebration of National Environment Day at Hulu Selangor level by MDHS marks the beginning of a long-term collaboration in making Bernam River as the flagship project of the MDHS-UPM in the sustainable river project. - UPM



Sophisticated closed poultry house, equipped with temperature control system

By Azman Zakaria
Photo by Noor Azreen Awang

SERDANG - Universiti Putra Malaysia (UPM) now owns a state-of-the-art closed poultry house equipped with temperature and humidity control system as well as a three-storey cage that can hold about 7,500 broiler chickens.

The integration of modern technology in the infrastructure allows chickens to reach a weight of 2.4 kg between 32 and 35 days compared to between 38 and 42 days if they were reared in the open.

Apart from supplying broiler chickens, the enclosed poultry house will also allow researchers and students to conduct a variety of related research.

The 62 x 12-meter closed poultry house which costs RM750,000 to construct, is equipped with four air filters and six large fans that control air flow, temperature and odour, as well as netting to prevent flies from entering the house.

Head of the Department of Animal Science, Faculty of Agriculture, UPM, Prof. Dr. Loh Teck Chwen, said temperature and humidity control is important for proper growth of the chickens.

According to him, the temperature control system is semi-automatic, and the chickens are brought inside or taken out of the three-storey cage using a roller.

One advantage of the poultry house is that if the temperature inside the poultry house increases, the fans will start automatically and suck in cold air

into the poultry house by passing it through a cooling pad with flowing water. This decreases the ambient temperature inside the poultry house.

"If the temperature is kept between 24 and 28o Celsius, and the humidity level is comfortable, the chicken weight will reach 2.4 kg between 32 and 35 days.

"The colder the temperature, the better it is for the chickens to grow," he said.

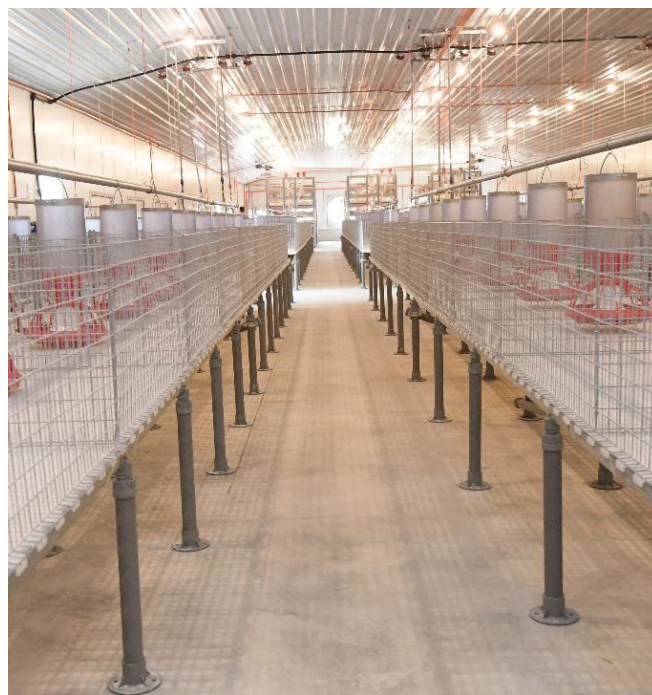
Chicken feed is channelled to the three-storey cage using a piping channel attached to a silo located at one end of the poultry house.

He added that controlling foul odour would also prevent the presence of flies, and the nets placed at the large fans would prevent the possibility of flies from entering the poultry house.

According to him, chicken droppings would be turned into compost fertiliser by the Organic Unit of the Faculty of Agriculture as a means to bring in revenue since compost fertiliser is considered as 'black gold.'

Prof. Dr. Loh said the idea to construct the closed poultry house was conceived by UPM Vice-Chancellor, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris.

The construction of the poultry house was funded by the Malayan Flour Mills (MFM) Berhad, while the facility was provided by AGCO GSI (M) Sdn Bhd. MFM is also sponsoring three UPM's Animal Science students who are pursuing their studies at Arkansas University, USA, starting last year. - UPM



Innovation in wastewater and recyclable semi-solid wastes produces gas

By Azman Zakaria
Photo by Noor Azreen Awang

SERDANG - Wastewater from cow and chicken slaughter and slaughterhouse wastewater, as well as solid or semi-solid sample of feces from cows, pigs and chickens can now be treated, and the products from the treatment can be reused for a specific purpose.

The Hybrid Upflow Anaerobic Sludge Blanket Reactor (UASB) treatment method, an innovation developed by researchers at Universiti Putra Malaysia (UPM), is used to treat liquid-like residues such as wastewater from cow and chicken slaughter and from slaughterhouses.

The innovative Continuous Stirred Tank Reactor (CSTR) treatment method is used for the treatment of solid or semi-solid sample such as food wastes and feces from cows, pigs and chickens.

A lecturer in the Department of Civil Engineering, Faculty of Engineering, UPM, Assoc. Prof. Dr. Syazwani Idrus, said the UASB method treatment allows wastewater, which is usually dark red, to be changed to light orange, light yellow or light grey that meets Standard B, a requirement set by the Department of Environment (DOE).

She said the UASB treatment system also produces methane gas that can be an alternative for cooking gas and can be converted into energy to power electric lamps.

"Treated wastewater is discharged through a channel at the bottom of the UASB, while methane gas is discharged through a channel at the top of the UASB," she said.

The treatment process takes 24 hours, and it produces 85 percent or 25 liters of methane gas.

She led the research group which includes students, Tuan Nur Farhana Tuan Mohd Marzuki and Mohamed Ali Musa.

Assoc. Prof. Dr. Syazwani said the UASB can also be used for sewage treatment and leachate treatment, i.e. water at

dumpsites.

"This innovation has a media filter inserted to increase methanogenic populations. The microorganism allows for treatment to be done effectively," she said.

She said the treated water could be used to water plants and clean the floor of slaughterhouses.

She said through the University Community Transformation Centre (UCTC), UPM, she had organised a knowledge transfer programme of the method to the farmers and staff of Veterinary Departments in Perak and Pulau Pinang in 2019.

The innovation won a bronze medal at UPM's Engineering Innovation Exhibition (EIE) 2019.

Assoc. Prof. Dr. Syazwani said the CSTR innovation was used for solid and semi-solid samples from food wastes and animal feces such as cows, pigs and chickens by inserting them into the CSTR.

She said after going through the 24-hour process, the digestate produced could be used as fertilizer for a variety of plants.

According to her, it also produces methane gas up to 80 percent or 42 liters, which is much higher than that produced by UASB despite using only about 0.5 percent solid of the total liquid residue used by the UASB system.

She said the CSTR used the acclimatisation method to improve the organic loading rate and reactor resistance.

The innovation was developed with FRGS (MOE) grant three years ago. The innovation has attracted industry such as TNB Research Sdn Bhd to carry out a detailed study on biogas production. Assoc. Prof. Dr. Syazwani received an industry grant worth RM130,000 in 2018/2019 and RM 218,000 in 2019/2020 for her research on the potential of producing bio gas from food and livestock wastes from TNB Research Sdn Bhd.

The project also involved a co-researcher, Assoc. Prof. Dr. Mohd Razif Harun, who is also a lecturer from the Faculty of Engineering. - UPM

Create innovative ideas, generate income to sustain employment of international academics

By Azman Zakaria
Photo by Noor Azreen Awang

SERDANG, Jan 16 - Universities, especially Research Universities should come out with innovative ideas by doing income-generating activities to sustain the employment of their international academics and researchers, Universiti Putra Malaysia (UPM) Vice-Chancellor, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris.

She said the employment of talented postgraduate students at Malaysian universities was widely practised in many Malaysian Research universities in the past, but such internationalisation through the physical mobility of academics to Malaysia could not be sustained.

Assuch, she said, universities should have innovative ideas in creating and implementing income-generating activities to sustain the employment of international academics and researchers.

"Many Malaysian universities, particularly research universities are facing resource constraints, which has led to the reassessment of priorities within the universities," she said at the opening of the Commonwealth



Tertiary Education Facility (CTEF) International Academics in Malaysia Forum, here.

The forum themed "International Academics in Malaysian Universities: Boon or Bane?"

It was organised by the National Higher Education Research Institute (IPPTN), Universiti Sains Malaysia (USM) in collaboration with the Malaysian Society for Higher Education Policy and Research Development (PenDaPat), and UPM.

The panellists were Professor Emeritus Abd Rashid Morten from International Islamic University Malaysia (IIUM), Professor Nasir Shafiq

(Universiti Teknologi Petronas), Dr Wan Chang Da (IPPTN, USM), and Prof. Dr. Jeniffer Ann Harikrishna (Universiti Malaya).

Prof. Datin Paduka Setia Dato' Dr. Aini Ideris said UPM has allocated a specific budget to appoint international academics, especially in critical fields, while the availability of international research grants and industry endowment also attracts prominent international academics to work with the university.

"Every year we set targets to recruit or get prominent international lecturers and academics that are specialists in various research areas and are aligned with the requirements

and needs of faculties and research institutes in UPM.

"We believe that international academics can definitely contribute to the internationalisation of our research excellence, and extend our global network and reputation," she said.

Meanwhile, CTET, IPPTN director, Professor Dato' Dr Morshidi Sirat said among the objectives of the forum was to identify current and emerging issues pertaining to the recruitment and retention of international academics from developing countries of the Commonwealth in Malaysia. - UPM



UPM, MAB jalin kerjasama penyelidikan bidang penerbangan

Oleh Azman Zakaria
Foto Marina Ismail

SERDANG, 21 Feb - Institut Perhutanan Tropika dan Produk Hutan, Universiti Putra Malaysia (UPM) dan Malaysia Airlines Berhad (MAB) menandatangani memorandum persefahaman (MoU) kerjasama dua hala menjalankan penyelidikan berteraskan bidang penerbangan.

Kerjasama itu merangkumi pelbagai aspek termasuk penyelidikan, pendidikan dan ekonomi.

Ia termasuk pertukaran pelajar, pertukaran staf akademik, aktiviti penyelidikan bersama serta penyelidikan dan pembangunan (R&D).

MoU itu ditandatangani oleh Timbalan Naib Canselor (Akademik dan Antarabangsa) UPM, Prof. Ts. Dr. M. Iqbal Saripan dan Dekan Fakulti Kejuruteraan UPM, Prof. Dr. Nor Kamariah Noordin bagi pihak UPM, manakala MAB diwakili Ketua Pegawai Operasi Kumpulan Malaysia Airlines, Ahmad Luqman Mohd Azmi dan Pengurus Business and Development, Engineering Training Department, Dr Umran Abdul Rahman.

Ia disaksikan Timbalan Menteri Sumber Manusia, Dato' Mahuz Omar. Turut hadir Pengarah Pusat Penerbit UPM, Prof. Ir. Ts. Dr. Mohamed Thariq Hameed Sultan.

Prof. Ts. Dr. M. Iqbal berkata, hubungan yang dijalin itu bakal

membuka ruang kepada pelajar UPM untuk menyumbang kepakaran kepada industri aeroangkasa negara.

"Kita berharap semua aktiviti dan projek kolaborasi yang diadakan melalui MoU ini akan dapat menghasilkan harta intelek yang boleh dimajukan sehingga ke tahap pengkomersialan serta membawa manfaat kepada kedua-dua pihak," katanya.

Beliau berkata, kerjasama itu juga akan memberi peluang kepada staf dan pelajar untuk menjalankan penyelidikan bersama di Malaysia Airlines tanpa ada implikasi kewangan, manakala pegawai akademik yang menjalankan sangkutan industri atau sabatikal tidak dikenakan sebarang kos penempatan.

Ahmad Luqman pula berkata, MoU itu menyediakan peluang kerjasama kedua-dua entiti UPM dan MAB dalam memajukan lagi bidang penerbangan serta pada masa yang sama merapatkan jurang di antara teori dan latihan praktikal.

"Malaysia Airlines mempunyai kepakaran dalam penyelenggaraan, pembaikan dan operasi (MRO) yang diiktiraf oleh Lembaga Penerbangan Awam Malaysia (CAAM). Sebagai syarikat penerbangan kebangsaan, kami amat teruja untuk berkongsi kepakaran ini dalam usaha melahirkan graduan yang berkemahiran tinggi bagi memenuhi permintaan pasaran pekerjaan yang sangat kompetitif," katanya. - UPM

UPM-Farm Fresh bangun pusat kecemerlangan industri ladang tenusu

Oleh Noor Eszereen Juferi
Foto oleh Marina Ismail

SERDANG, 20 Dis - Universiti Putra Malaysia (UPM) dan Farm Fresh Milk Sdn. Bhd. menjalin kolaborasi membangunkan Pusat Kecemerlangan Industri (ICOE) Ladang Tenusu di Ladang 16, Taman Pertanian Universiti, UPM.

Melalui kolaborasi itu, UPM-Farm Fresh akan membangunkan Agro Tourism Centre bagi memberi pendedahan kepada pelajar dalam industri tenusu serta menggalakkan generasi muda meminati bidang pertanian.

Pusat Edu Tourism itu akan turut menunjukkan cara pemprosesan, teknologi makanan serta pemasaran melalui kilang yang dibina di sini.

Naib Canselor UPM, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris berkata UPM berbangga dengan projek itu kerana dapat bekerjasama dengan syarikat pengeluar dan pembekal susu terbesar di Malaysia.

"Perkongsian bijak ini merupakan model kerjasama sektor awam khususnya universiti dengan pihak swasta yang membawa industri ke dalam kampus. Perkongsian projek ini penting bagi merencanakan

lagi proses pembelajaran dan penyelidikan pelbagai aspek berkaitan tenusu," katanya.

Beliau berkata, Ladang Tenusu ICOE itu akan dipakejkan sebagai satu projek agro-tourism.

"Melalui pakej ini pengunjung boleh merasai pengalaman berada di sebuah ladang tenusu serta menikmati elemen agritourism terutamanya aktiviti rekreasi seperti petting zoo dan menikmati pelbagai jenis makanan yang berasaskan susu dan ternakan," katanya.

Ketua Pengarah Operasi, Farm Fresh Milk Sdn. Bhd., Azmi Zainal pula berkata dengan kerjasama itu Farm Fresh dapat memperkenalkan teknologi serta trend terkini dalam industri tenusu dan meningkatkan aktiviti penyelidikan dalam bidang penternakan tenusu dari aspek pengeluaran, pemprosesan dan penjenamaan, pengedaran dan jualan.

"Saya berharap dengan adanya Ladang Tenusu ICOE, ia akan menggalakkan generasi muda terutamanya di UPM untuk menyertai industri tenusu di masa depan dan ladang ini dijadikan sebagai tarikan utama selaras dengan inisiatif UPM," katanya.

Melalui kerjasama itu, Farm Fresh juga membantu UPM



melalui TPU dengan membina dan membaiki infrastruktur ladang serta membantu menyelenggara plot pastura UPM.

"Kami turut membantu TPU UPM mendapatkan makanan ternakan dengan harga yang lebih rendah. Apabila projek ini beroperasi sepenuhnya nanti, nama UPM akan turut dicetak pada setiap bekas produk tenusu keluaran projek ICOE," katanya.

Soft Launch Pusat Kecemerlangan Industri (Industry Centre of Excellence ICOE)

Ladang Tenusu UPM-Farm Fresh itu dirasmikan oleh Pengerusi Lembaga Pengarah, UPM, Tan Sri Dr. Ghauth Jasmon dan dihadiri oleh Pengarah TPU, UPM, Prof. Madya Dr. Yahya Awang.

Syarikat Farm Fresh Milk Sdn. Bhd. yang bernaung di bawah syarikat induknya Holstein Milk Company Sdn. Bhd. memulakan projek ini pada 2017, dengan 130 lembu di UPM pada September 2019 dan sehingga November 2019 mempunyai 418 lembu. - UPM

UPM, BookDoc jalin kerjasama promosi gaya hidup sihat

Oleh Azman Zakaria

KUALA LUMPUR, 10 Feb - Universiti Putra Malaysia (UPM) dan platform penjagaan kesihatan dalam talian BookDoc hari ini menjalin kerjasama dalam penempatan latihan, penyelidikan kesihatan, kerjasama mempromosikan gaya hidup sihat dan meningkatkan kesedaran mengenai kesihatan mental.

Kedua-dua pihak akan memberi tumpuan penggunaan acara BookDoc dan platform berita untuk menyebarkan aktiviti berkaitan kesihatan UPM kepada fakulti, pelajar dan masyarakat umum.

Kolaborasi itu juga akan

melibatkan transformasi pendekatan terhadap kesihatan mental dan menangani masalah pengasingan sosial.

Naib Canselor UPM, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris berkata perkongsian itu adalah situasi menang-menang bagi UPM dan BookDoc.

"Kerjasama ini memberi manfaat bagi penuntut UPM dalam latihan amali, perkongsian akademik-industri dan pembangunan infrastruktur digital selaras dengan IR4.0, Matlamat Pembangunan Mampan dan peluang penyelidikan," katanya.

Pengasas dan Ketua Pegawai Eksekutif BookDoc, Dato' Chevy



Beh pula berkata kerjasama itu sejajar dengan inisiatif Revolusi Industri 4.0 (IR 4.0) untuk membangunkan kemahiran yang penting bagi memastikan pertumbuhan dan daya saing Malaysia kekal mapan.

Beliau berharap kolaborasi dalam kesihatan telemental itu dapat membantu memenuhi keperluan rakyat Malaysia bagi perkhidmatan kesihatan yang sesuai, berpatutan dan mudah diakses. - UPM

UPM-MVP meterai perjanjian untuk komersial vaksin baharu sampar ayam



Oleh Azman Zakaria
Foto Marina Ismail

SERDANG, 30 Dis - Universiti Putra Malaysia (UPM) dan syarikat Malaysian Vaccines and Pharmaceuticals Sdn Bhd (MVP) memeterai perjanjian pelesenan (licensing agreement) untuk MVP mengkomersialkan inovasi vaksin generasi baharu bagi mengawal penyakit sampar ayam (Newcastle Disease) yang menyerang ayam komersial.

Perjanjian itu ditandatangani Timbalan Naib Canselor (Penyelidikan dan Inovasi) UPM, Prof. Dato' Dr. Zulkifli Idrus, manakala MVP oleh Pengarah

Eksekutif, Puan Rashidah Ibrahim. Ia disaksikan Pengerusi Lembaga Pengarah UPM, Tan Sri Dr. Ghauth Jasmon; Naib Canselor UPM, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris; dan pengerusi MVP, Dato' Dr. Mhd Nordin Mohd Nor.

Projek inovasi vaksin generasi baharu itu diketuai Prof. Dr. Abdul Rahman Omar dari Institut Biosains (IBS) dan Fakulti Perubatan Veterinar UPM.

Prof. Dr. Abdul Rahman berkata, ujian yang dijalankan oleh IBS dan MVP mendapati vaksin itu stabil, tidak mempunyai kesan sampingan dan selamat digunakan pada ayam berumur satu hari.

"Anak ayam yang disuntik sekali dengan vaksin ini menghasilkan paras antibodi yang tinggi selepas tiga minggu, yang memberikan perlindungan menyeluruh daripada cabaran penyakit serta pembebasan virus ND genotip VII virulen. (virulent genotype VII ND virus)," katanya.

Sementara itu, Tan Sri Dr. Ghauth berkata, perjanjian itu membolehkan penyelidikan di makmal diperkembangkan dan hasilnya dimanfaatkan untuk pasaran serta masyarakat.

Katanya, pembangunan dan kemajuan vaksin tempatan juga akan boleh mengurangkan ketergantungan kerajaan terhadap

vaksin haiwan yang diimport.

Prof. Datin Paduka Setia Dato' Dr. Aini pula berkata, penyakit ND amat mudah merebak yang menyebabkan kerugian ekonomi yang besar kepada industri ternakan ayam di seluruh dunia.

Justeru, katanya, perjanjian yang ditandatangani itu akan memberikan manfaat serta faedah sosial dan pertumbuhan ekonomi.

Dato' Dr. Mhd Nordin pula berkata MVP akan mengkomersialkan vaksin itu dan berharap ia akan menjadi satu daripada produk komersial vaksin UPM yang paling laris jualannya. - UPM

Pelajar perkasa ilmu sains biologi kepada komuniti anak Orang Asli Tasik Chini

Oleh Nur Nisaa' Syuhada Mohd Saidi

TASIK CHINI – Seramai 44 pelajar Jabatan Biologi, Fakulti Sains Universiti Putra Malaysia (UPM) menjayakan program "Let's Listen to Nature 4.0" bertemakan "Nature is the Art of God" yang disertai 44 orang komuniti anak Orang Asli dari sekolah kluster kecemerlangan, Sekolah Kebangsaan Tasik Chini, Pahang baru-baru ini.

Program itu dianjurkan Kelab Mahasiswa Biologi (KMB-FASSA), Jabatan Biologi, Fakulti Sains, UPM dengan kerjasama Pusat Pemerksaan Remaja (PERKASA), Fakulti Sains Sosial dan Kemanusiaan, UKM & Pusat Penyelidikan Tasik Chini (PPTC), UKM, Pahang.

Program bertemakan "Nature is the Art of God" itu menekankan pemindahan ilmu biologi kepada komuniti anak Orang Asli yang terdiri daripada murid-murid Tahun 4 hingga 6 dari Sekolah Kebangsaan Tasik Chini melalui aktiviti "Explorace:

Biology Is Life, Biology Is Us!"

Sembilan aktiviti perlu dilengkapkan oleh setiap kumpulan supaya mereka dapat meneruskan permainan ke pusingan penentuan, di mana kesemua kumpulan akan dikumpulkan bersama-sama untuk melakukan aktiviti secara serentak.

Antara aktiviti yang dijalankan ialah "Keep On Track", "Giant Bingo", "Talking Stick", "Guess It Out," manakala di pusingan penentuan ialah, "Nature Got Help". Setiap aktiviti diselitikan dengan ilmu biologi seperti ciri-ciri haiwan, kesan penggunaan plastik terhadap alam sekitar dan penekanan konsep 3R (Reuse, Reduce, Recycle).

Penasihat program dan KMB, Dr. Mohd Noor Hisham Mohd Nadzir berkata program itu berjaya menarik minat murid-murid daripada komuniti Orang Asli bukan sahaja dalam memahami ilmu biologi malah turut memberi pendedahan tentang pemeliharaan dan

pemuliharaan alam sekitar melalui pendedahan isu-isu semasa yang berkait rapat dengan alam sekitar.

Penasihat program dan KMB, Dr. Bokhary Zainal pula berkata, pelajar UPM pula dapat mempelajari cara yang sesuai untuk menyampaikan maklumat kepada murid-murid anak Orang Asli SK Tasik Chini dengan berfikir lebih kreatif dalam merancang setiap aktiviti yang dijalankan agar maklumat yang disampaikan mudah difahami dan diaplikasi.

Program turut mendapat tajaan serta sokongan daripada Fakulti Sains UPM dan sumbangan dari orang perseorangan serta syarikat seperti Raspberry Ribbons, Techouz, Malaysian Youth Community (MYC) dan MafixWorld.

Program itu turut mendapat kerjasama dari SK Tasik Chini, Pahang; Pusat Pemerksaan Remaja (PERKASA), UKM dan Pusat Penyelidikan Tasik Chini, UKM, Pekan Pahang.



Pegawai Penyelidik Pusat Penyelidikan Tasik Chini, Nur Amelia Abas berkata beliau objektif program berjaya dicapai melalui aktiviti permainan bertemakan alam sekitar.

"Melalui aktiviti-aktiviti yang dijalankan, penekanan banyak diberikan terhadap pemuliharaan. Hal ini telah membuktikan bahawa salah satu

objektif program telah berjaya dicapai," katanya.

Pengarah program, Muhammad Afiq Mohd Zaidi berharap program seperti itu dapat diteruskan lagi pada masa akan datang agar dapat mendedahkan lebih ramai pelajar dengan ilmu biologi.

"Jika berpeluang untuk menyertai program seperti

ini lagi, rebutlah. Selain rasa berpuas hati apabila dapat menyampaikan sedikit sebanyak ilmu berkaitan biologi kepada komuniti, kita juga dapat melatih diri untuk berfikir kreatif dan kritis dalam menyusun strategi dan menyelesaikan masalah yang mendatang sebelum dan semasa program berlangsung," katanya. – UPM

Pelajar FSKTM ikuti lawatan aktiviti pekerjaan pengkomputeran di Batam

Oleh Prof. Rahmita Wirza O.K. Rahmat

BATAM (Indonesia), 10 Jan – Empat belas pelajar Fakulti Sains Komputer dan Teknologi Maklumat (FSKTM), Universiti Putra Malaysia (UPM) mengikuti lawatan ke Nongsa Digital Park (NDP), Infinite Studios Batam dan Politeknik Negeri Batam (PoliBatam) di sini bagi mendedahkan mereka kepada aktiviti pekerjaan yang melibatkan pengkomputeran.

Program itu turut disertai tiga pensyarah FSKTM Prof Dr. Rahmita Wirza O.K. Rahmat, Prof Madya Dr Fatimah Khalid dan Dr Siti Khadijah Ali.

Pensyarah Jabatan Multimedia, FSKTM, Prof. Rahmita berkata pelajar turut melihat aktiviti perfileman dan animasi di Studio Infinit serta mempersembahkan produk-produk mobil Imbuan Reality (Augmented Reality) hasil projek masing-masing di PoliBatam.

"Pelajar juga meninjau aktiviti pembelajaran yang melibatkan industri animasi di

PoliBatam dan mengadakan sesi diskusi dengan pensyarah serta pegawai perhubungan antarabangsa PoliBatam dan pensyarah FSKTM, UPM bagi aktiviti kerjasama yang akan datang," katanya

Beliau berkata, antara aktiviti kerjasama yang akan diadakan ialah pertukaran pelajar merangkumi program mobiliti dan latihan industri, kerjasama penyelidikan dan pembangunan selaras dengan permintaan industri kedua-dua negara, serta penerimaan pensyarah PoliBatam sebagai pelajar siswazah di FSKTM, UPM.

Perbincangan itu juga merangkumi skop perjanjian memorandum persefahaman (MoU) antara kedua-dua institusi yang akan ditandatangani setelah kedua-dua pihak bersetuju dengan isi kandungan MoU.

Sementara itu, Nongsa Digital Park (NDP) adalah taman digital bersepadu yang menyediakan tempat untuk perkembangan perniagaan

digital dan tapak ideal untuk pembangunan pusat data.

Terletak di topografi tinggi di timur Batam, NDP menawarkan lokasi geografi yang lebih selamat untuk Pusat Data. Disokong dengan kehadiran infrastruktur yang baik, Batam dianggap memiliki potensi yang besar untuk kegiatan perniagaan.

Infinite Studios Batam pula adalah media hiburan bersepadu dan syarikat perkhidmatan kreatif yang berpusat di Singapura dan Batam.

PoliBatam adalah satu-satunya Universiti Negeri Vokasional (PTN) di Kawasan Pelabuhan dan Perdagangan Bebas Batam (KPPBPB-Batam), Provinsi Kepulauan Riau.

Dengan kedudukannya di salah satu pusat pertumbuhan ekonomi negara, PoliBatam terletak di garis terpedan dan wilayah paling luar Negara Kesatuan Republik Indonesia, yang bersempadan dengan laluan perdagangan antarabangsa dengan Malaysia dan Singapura. – UPM



Wonderspartans Outreach Programme beri fokus kepada alam sekitar

Oleh Farah Syuhada Rozmi

KUANTAN, 18 Jan – Kolej Empat Belas, Universiti Putra Malaysia (UPM) menjalankan program kesukarelawan Wonderspartans Outreach Programme (WOP) di Balok dan Cherating, dekat sini bertujuan memberi pendedahan serta kesedaran kepada pelajar dan masyarakat mengenai aktiviti sukarrelawan yang berfokus kepada alam sekitar.

Pengarah program, Anis Maisarah Sharulnizam berkata, ramai yang masih belum menyedari mengenai kepentingan menjaga alam sekitar dan kesan membuang sampah merata-rata.

"Kita seronok berkelah di pantai dan menikmati keindahan pantai dan laut, tapi kita tinggalkan pelbagai jenis sampah. Perbuatan itu bukan sahaja tidak bertanggungjawab kepada manusia tetapi juga kepada alam dan hidupan laut," katanya.

Program WOP dimulakan di Natural Village Batik, Balok. Peserta didedahkan kepada industri batik dan berpeluang untuk merasakan pengalaman mencanting batik, manakala pada sebelah malam, pelajar menjalankan aktiviti Pujangga Pantai yang memerlukan

mereka mengarang dan mempersembahkan puisi atau lagu bertemakan alam sekitar.

Mereka turut ke Kompleks Lembaga Kemajuan Ikan Malaysia (LKIM) di Kuantan untuk melihat proses pendaratan dan pengasingan ikan.

Pelajar dan komuniti juga menjalankan Program "Clean Beach, Clean Ocean" di Pantai Balok. Program itu mendapat kerjasama dari Perbadanan Pengurusan Sisa Pepejal dan Pembersihan Awam (SWCorp) Pahang dan Alam Flora Sdn Bhd. Turut sama dalam aktiviti ini adalah Pusat Pemulihan Dalam Komuniti (PDK) Balok, Persatuan Silat Pendekar Pahang, Persatuan Nelayan Balok dan Jawatankuasa Kampung Balok.

Sampah diasingkan mengikut kategori sampah iaitu reuse, recycle, compostable dan solid rubbish dan ditimbang oleh SWCorp. Sampah yang paling banyak didapati adalah jenis sampah solid (mampat dan bukan organik) iaitu 89.5% yang susah dan mengambil masa yang sangat lama untuk terurai secara semula jadi.

Seorang peserta, Muhammad Isnorrizal, 22, berkata program itu memberi kesedaran mengenai kepentingan menjaga kebersihan alam dan pengasingan jenis

sampah dengan betul.

Di Pantai Cherating pula, pertandingan membina istana pasir berkonsepkan 3R (Reduce, Reuse, Recycle) diadakan. Sampah seperti botol plastik, tin minuman, tali dan juga ranting kayu digunakan untuk membina istana pasir itu.

Forum bertajuk "Islam dan Alam" diadakan di Masjid Sungai Ular, Balok yang melibatkan peserta WOP dan penduduk sekitar.

Aktiviti perkongsian mengenai penyu sebagai antara spesies hidupan laut terancam, pula diadakan di Pusat Konservasi dan Santuari Penyu, Cherating. Peserta berpeluang melihat anak penyu yang diasingkan mengikut umur iaitu sebulan dan lima hingga enam bulan serta penyu yang telah diawet.

Pegawai pengiring program, Siti Mahsuri Talib berkata program itu diharap dapat membuka minda masyarakat terhadap aktiviti kesukarelawan berkaitan alam sekitar.

"Banyak pengalaman baru yang berharga diperoleh sekali gus mencapai objektif penganjuran program yang menfokuskan kepada kesukarelawan alam sekitar," katanya. – UPM



Program kemasyarakatan murid Orang Asli

Oleh Noor Eszereen Juferi
Foto Marina Ismail

PULAU CAREY, 29 Jan – Kira-kira 100 murid Tahun 1 hingga 6 dan 50 keluarga komuniti Orang Asli dari suku kaum Mah Meri menyertai program kemasyarakatan Kiddie Foodie & Waste Champ untuk murid Orang Asli di Sekolah Kebangsaan Sungai Bumbun (A), di sini.

Program itu yang dimulakan pada penghujung 2019 bertujuan meningkatkan pemahaman berkaitan nutrisi makanan dan kitar semula di kalangan masyarakat Orang Asli.

Ketua program, Dr. Mohd Salahuddin Mohd Basri berkata murid-murid itu turut didedahkan dengan kaedah implimentasi dalam pembelajaran Sains dan Matematik, serta merangsang inovatif kanak-kanak dan komuniti dalam menggunakan

bahan makanan dalam masakan. “Harapan saya agar murid-murid Orang Asli mengambil peluang menimba pengalaman dan pengetahuan dalam program ini untuk kegunaan masa depan,” katanya.

Beliau berkata, program itu juga membawa kampus dekat kepada masyarakat dan untuk UPM terus berkhidmat serta menyumbang bakti kepada masyarakat. Turut hadir pada program itu, Ahli Dewan Negara, Senator Masyarakat Orang Asli, Dato’ Isa Ab. Hamid dan Timbalan Naib Canslor (Hal Ehwal Pelajar & Alumni) UPM, Prof Dr Mohd Roslan Sulaiman.

Program itu dianjurkan bersama Fakulti Kejuruteraan dan Fakulti Ekologi Manusia UPM dengan kerjasama Nestle Products Sdn. Bhd., Restoran Ali Maju Sdn. Bhd. dan Elite Gears Enterprise. - UPM

Program Jom Masuk Kampung semarak aktiviti sukarelawan

KUALA KEMAMAN – Seramai 103 pelajar Kelab Alumni Universiti Putra Malaysia (UPM) Chapter YOSH, Kumpulan Kursus Kokurikulum Berkredit Pembangunan Kesukarelawan UPM dan Management Club Universiti Kebangsaan Malaysia (UKM) menyertai program Jom Masuk Kampung, di Kampung Geliga dan Kampung Geliga Pantai, di sini.

Program tiga hari bertemakan “journey with purposed” itu berteraskan konsep pembentukan sahsiah diri, dengan pelajar diberi pendedahan mempelajari budaya sesuatu tempat dan menyumbang bakti dalam aktiviti kesukarelawan.

Ia dianjurkan Kelab Alumni UPM Chapter YOSH dengan kerjasama Pusat Alumni UPM, Majlis Pengurusan Komuniti Kampung (MPKK) Geliga dan Geliga Pantai, Institut Modal

Insan Terengganu Sejahtera (i-MITS), Rumah Ngaji Terengganu (Yayasan Warisan Ummah Ikhlas), Wakaf, Zakat dan Endowmen (WAZAN) UPM, Management Club UKM, Masjid Geliga dan Texas Rangers 4x4. Program itu juga bertujuan

menjalin hubungan silaturrahim pelajar dengan masyarakat kampung apabila mereka ditempatkan bersama 23 buah keluarga angkat.

Program dimulakan dengan tiga slot utama iaitu Sembang Usahawan daripada Pengurus

Bahagian Pembangunan Perniagaan YPU, Tuan Engku Mohd Hairulnizam, manakala sebahagian mahasiswa menyiapkan tugas rawang “ketuk-ketuk kualiti” bersama orang kampung.



PUTRA® Bakti hulu bantuan mangsa kebakaran Taman Serdang Raya

Oleh Azman Zakaria

SERDANG, 6 Feb - Enam keluarga mangsa kebakaran di Taman Serdang Raya, di sini, menerima sumbangan barang-barang keperluan daripada PUTRA Bakti, Universiti Putra Malaysia (UPM) hari ini.

Sumbangan berupa barang-barang keperluan itu diberi dalam empat bentuk iaitu PUTRA Kit 1 (penjagaan kesihatan dewasa) berupa sabun mandi, berus gigi, ubat gigi, tuala mandi dan tuala wanita; PUTRA Kit 2 (penjagaan kanak-kanak) berupa sabun

mandi, berus gigi, ubat gigi, bedak, losyen calamine, tuala mandi dan lampin pakai buang); PUTRA Kit 3 (penjagaan bayi) berupa bedak, sabun mandi, minyak telon, tisu basah, tuala kecil, putik kapas, losyen calamine dan lampin pakai buang; dan PUTRA Kid 4 (solat) berupa sejadah, kain pelekat, kain batik, kain sembahyang wanita dan kopiah.

Ia adalah misi bantuan kemanusiaan 3D UPM 4.0 (Derma, Dorongan & Doa) yang dijalankan oleh PUTRA Bakti untuk membantu masyarakat atau individu yang memerlukan

bantuan. Dana sumbangan disalurkan oleh orang ramai.

Sumbangan itu disampaikan oleh wakil PUTRA Bakti, Ahmad Hisham Ayob di Balai Raya taman itu di sini, kepada Norhayati Awang; 49; Hassan Jantan, 63; dan Mohd Sobirin Kamarulzaman, 30. Sumbangan untuk tiga lagi keluarga diserahkan kepada Jabatan Kebajikan Masyarakat untuk disampaikan kepada mangsa.

Mangsa-mangsa kebakaran itu menyatakan rasa syukur dan terima kasih atas sumbangan PUTRA Bakti kerana ia membantu

dan meringankan bebanan mereka.

Dalam kejadian kira-kira jam 12.30 tengah hari semalam, rumah-rumah mangsa musnah dalam kebakaran. Tiada kemalangan jiwa dan kecederaan dilaporkan. Semua 26 mangsa daripada enam keluarga itu di tempatkan sementara di Balai Raya, Taman Serdang Raya.

Ketika kejadian, Norhayati dan suaminya, Zulkifli Alias tiada di rumah kerana menghantar anak dan cucu ke sekolah.

Zulkifli berkata, beliau menerima panggilan telefon kira-kira jam 12.30 tengah hari yang memaklumkan kebakaran itu dan bergegas pulang, tetapi tidak dapat menyelamatkan barang-barang.

Menurutnya, cucunya Mohd Danny ternampak api di tingkat atas ketika hendak mengambil pakaian, lantas turun semula sambil memberitahu makciknya Nordiana Zulkifli dan berlari keluar. - UPM



Pelajar UPM berbahasa Arab dalam program mobiliti di Mafrq

Oleh Azman Zakaria

MAFRAQ (Jordan), 10 Mac - Tujuh belas pelajar Universiti Putra Malaysia (UPM) dalam bidang bahasa Arab menyertai pelbagai aktiviti pembelajaran dan latihan berbahasa Arab secara formal dan tidak formal sepanjang tempoh sebulan mengikut Putra Arabiy Mobility Programme di Universiti Al-al-Bayt, Mafrq di sini, bermula 2 Februari lalu.

Empat belas pelajar Bachelo Sastera (Bahasa Asing) Pengkhususan Bahasa Arab dan tiga pelajar Master Sastera Bahasa Arab dari Fakulti Bahasa Moden dan Komunikasi (FBMK) itu, memanfaatkan peluang bernilai itu ke arah meningkatkan tahap kecakapan berkomunikasi dalam bahasa Arab. Mereka diiringi Pensyarah Kanan di Jabatan Bahasa Asing FBMK, Dr Nik Farhan Mustapha dan Ketua Seksyen di Pusat Pengurusan Waqaf, Zakat dan Endowmen UPM, Zuhaimi Abdul Rahim.

Antara aktiviti yang disertai

pada setiap Ahad hingga Khamis ialah latihan perbualan bahasa Arab harian mengikut pelbagai situasi di dalam dan luar kelas Pusat Bahasa Universiti, dari 8 hingga 11 pagi; komunikasi dua hala bersama para pelajar penutur jati Arab di luar bilik kuliah (11 pagi hingga 1 tengah hari); dan latihan kemahiran bertutur, mendengar syarahan dan taklimat pensyarah dari kalangan penutur jati Arab (1 tengah hari hingga 3 petang).

Pelajar Master Sastera Bahasa Arab dari Fakulti Bahasa Moden dan Komunikasi (FBMK) UPM, Mohd Azrol Hafizi Azman, yang juga ketua kumpulan pelajar itu berkata, kemuncak sesi pembelajaran dan latihan itu ialah apabila mereka pada hari kelima diundang ke pusat Radio Suara Universiti (Izā’atu Sauti Al-Jāmi’at), Universiti Al al-Bayt untuk berkongsi reaksi dan pendapat mengenai Jordan serta pengajian mereka.

Katanya, pelajar Master Sastera Bahasa Arab, Ahmad

Syahmi Mohamed, dipilih sebagai wakil membuat perkongsian mengenai pengalaman ahli delegasi dalam menyesuaikan diri dengan cuaca, persekitaran dan budaya masyarakat Arab Jordan khususnya di bandar Mafrq.

Radio berfrekuensi 103.5 m.h.z itu dapat didengari masyarakat di bandar Mafrq serta sebahagian kawasan di Amman.

Mereka juga mengadakan lawatan ilmiah bagi meningkatkan pengetahuan mengenai cara hidup dan budaya orang Arab serta ke tempat bersejarah merenungi kisah tamadun terdahulu seperti lawatan ke Gua Ashabul Kahfi, melawat Laut Mati, serta makam Nabi Ayub dan makam Nabi Syu’aib.

Mohd Azrol Hafizi berkata, mereka turut melawat Wadi Ram dan Petra.

Petra adalah kota bersejarah dan tapak arkaeologi di Ma’an, kawasan pemerintahan Jordan. Petra dipercayai dibina sebagai ibu kota kerajaan Nabatene hasil



seni pemotongan batu pada kurun keenam.

Kota bersejarah itu dipilih sebagai Tujuh Keajaiban Baru Dunia pada 2007 dan Tapak Warisan Dunia UNESCO sejak 1985. Petra juga dipilih oleh British Broadcasting Corporation (BBC) sebagai satu daripada “40 tempat yang anda mesti lihat sebelum mati.”

Mereka juga melawat Jerash, kota yang mempunyai tiga pintu utama dan dikatakan jika berada di dalam kota itu, seseorang

diberi pilihan untuk keluar sama ada menggunakan pintu menuju Eropah, Palestin atau Makkah.

Mereka turut berkunjung ke Ajlun, yang menempatkan Istana Ajloun yang dibina oleh seorang tentera Salahuddin Al-Ayubbi pada 1184 untuk mengawal perlombongan besi dan menentang tentera Frankish yang ingin menceroboh Ajlun.

Mohd Azrol Hafizi berkata, mereka juga menjalankan beberapa program khidmat masyarakat di Mafrq, antaranya

“Program Cinta Syria” dengan memberi bantuan makanan dan peralatan persekolahan percuma kepada pelajar Syria bagi menyuntik semangat mereka untuk terus belajar.

Program “Free Meals” pula diadakan bersama pelajar Malaysia Universiti Al al-Bayt dengan mengagihkan makanan percuma bagi mengeratkan lagi hubungan dan menyuburkan sikap tolong-menolong terhadap pelajar yang kurang berkemampuan. - UPM

UPM-Farm Fresh bangun pusat kecemerlangan industri ladang tenusu >5

UPM, MVP meterai perjanjian untuk komersial vaksin baharu sampar ayam >5

Pelajar FSKTM ikuti lawatan aktiviti pekerjaan pengkomputeran di Batam >6



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Pencapaian

UPM rai atletnya yang sertai Sukan SEA Manila

Oleh Noor Eszereen Juferi

SERDANG - Universiti Putra Malaysia (UPM) meraikan 36 atletnya yang mewakili Malaysia ke Sukan SEA Manila 2019, sebagai penghargaan kepada atlet itu yang juga pelajar UPM kerana mengharumkan nama negara dan universiti.

Atlet dari UPM menyumbang lima pingat emas, tiga perak dan empat gangsa pada sukan dwi-tahunan itu daripada jumlah keseluruhan pencapaian kontinjen negara

sebanyak 55 emas, 58 perak dan 71 gangsa.

Naib Canselor UPM, Prof. Datin Paduka Setia Dato' Dr. Aini Ideris berkata pencapaian atlet UPM yang mewakili negara pada temasya sukan itu adalah pencapaian yang baik.

Selain itu, pelbagai kejayaan dicapai oleh atlet UPM sepanjang 2019 antaranya naib johan Karnival Sukan MASUM di Universiti Malaysia Pahang (UMP), johan Rugby Super 8 dan johan Liga Hoki Selangor.

Atlet taekwondo UPM pula

memenangi pingat gangsa pada Kejohanan Universiti Dunia di Napoli, Itali, manakala atlet sepak takraw memperoleh gangsa pada Kejohanan Antarabangsa Sepak Takraw Pantai di China.

Sementara itu, sembilan atlet UPM menerima Anugerah Pingat Emas dan memperoleh insentif RM700. Mereka ialah An Najwa Azizan, Norashikin Kamalzaman, Siti Nor Farhana Mustafa, dan Karishma a/p Loganathan (kesemuanya Bola Jaring), Yap Sean Yee (Lompat Tinggi), Muhammad Hakimi



Ismail (Lompat Kijang), Elly Syahirah Ellias (Hoki Dewan), Wan Norfaiezah Md Sajuti (Hoki Dewan) dan Muhammad Najmi Farizal Jazlan (Hoki Dewan).

Anugerah Pingat Perak menerima insentif RM500 diterima oleh tujuh atlet. Mereka ialah Muhammad Ameer

Hasrun Zulkefli, Muhamad Firdaus Tarmizi, Muhammad Dzafran Asyraf Muhammad Zainuddin, Wan Izzuddin Ismail, Muhammad Azwan Zuwairi Mat Zizi (kesemuanya Ragbi), Andre Anura Anuar (Lompat Jauh) dan Fakrul Adam Fauzi (Kurash).

Anugerah Pingat Gangsa

menerima insentif RM300. Mereka terdiri daripada Rachel Yeoh Li (Gimnastik), Johathan Nyepa (Olahraga), Zaidatul Husniah Zulkifli (Olahraga), Queenie Ting Kung Ni (Lempar Cakera) dan Nur Afisa Abdul Halil (Memanah). - UPM



Fakulti Kejuruteraan UPM Juara Badminton Piala TNC (Akademik & Antarabangsa UPM)

Oleh Syari Jamian

SERDANG - Skuad badminton staf Fakulti Kejuruteraan membuktikan kejaguhannya apabila mengungguli Kejohanan Badminton Berpasukan Piala Timbalan Naib Canselor (Akademik dan Antarabangsa) bagi edisi ketiga yang berlangsung di Dewan Serbaguna, Pusat Sukan UPM baru - baru ini.

Fakulti Kejuruteraan mengejutkan pilihan utama di pentas akhir iaitu Pusat Sukan dengan kemenangan 2-1. Format kejohanan pada kali ini adalah Perseorangan Lelaki, Beregu Campuran dan Beregu Lelaki Terbuka berjaya menarik tujuh pasukan dari UPM iaitu Fakulti Pertanian & ITAFoS, IDEC & INTROP, Fakulti Ekologi, Hospital Pengajar UPM dan Alumni UPM.

Pada perlawanan akhir, Fakulti Kejuruteraan memenangi acara Perseorangan Lelaki dan Beregu Lelaki Terbuka manakala Pusat Sukan mencuri tumpuan

dengan menewaskan beregu campuran Fakulti Kejuruteraan. Tempat Ketiga dimenangi IDEC & INTROP manakala Fakulti Pertanian & ITAFoS meraih tempat keempat.

Keunikan kejohanan kali itu ialah semua pemain menerima trofi dan sijil penyertaan yang disumbangkan dan disampaikan oleh Timbalan Naib Canselor (Akademik dan Antarabangsa), Prof. Ts. Dr. M. Iqbal Saripan.

Prof. Ts. Dr. M. Iqbal dalam ucapannya berharap kejohanan itu ini dapat memberi gaya hidup yang sihat kepada semua staf UPM dan alumni.

Turut hadir pada kejohanan itu ialah Pengarah Hospital Pengajar UPM iaitu Dr. Muhammad Mohd Isa dan pengarah program, Dr. Syari Jamian.

Fakulti Kejuruteraan membawa pulang piala pusingan, trofi dan sijil penyertaan, manakala semua pasukan menerima trofi. - UPM

UPM rangkul emas, anugerah khas di MTE 2020

Oleh Noor Azizah Ismail

KUALA LUMPUR, 22 Feb - Universiti Putra Malaysia (UPM) merangkul dua pingat emas, empat perak dan lima gangsa, serta anugerah khas Association of British Inventors and Innovators pada The International Expo on Inventions and Innovations - Malaysia Technology Expo 2020.

Prof. Madya Dr. Nazlina Shaari (Fakulti Rekabentuk dan Senibina) memenangi pingat emas dan Anugerah Khas Association of British Inventor and Innovation bagi teknologi iaitu Adaptive Wear for Disabled Elderly, pakaian yang direka khas untuk orang kurang upaya fizikal dan bagi pengguna yang mengalami kesukaran dalam berpakaian. Pakaian itu mudah digunakan dan mempunyai petak khas untuk pek sejuk dan pek air kencing.

Pingat emas juga dimenangi Profesor Ir. Dr. Mohd Sapuan Salit (Fakulti Kejuruteraan) melalui inovasi Development of Thermally Stable Polycrystalline Photovoltaic Module Based Novel Biocomposite Materials.

MTE 2020 diadakan dari 20 hingga 22 Februari lalu di Pusat Dagangan Dunia Putra (PWTC) di sini. Ia dirasmikan Menteri Keusahawanan dan Pembangunan, Datuk Seri Mohd Redzuan Md Yusof.

UPM menghantar 11 penyertaan bagi dua kategori iaitu Invention and Innovation Awards dan Public Service Innovation Awards, pada MTE 2020 itu yang turut disertai oleh universiti, agensi penyelidikan,

institusi pendidikan tinggi, agensi kerajaan, syarikat dan sekolah di dalam dan luar negara.

Berikut ialah pemenang dari UPM bagi kategori Invention and Innovation Awards;

1. Madya Dr. Nazlina Shaari (Fakulti Rekabentuk dan Senibina), Adaptive Wear for Disabled Elderly, (pingat emas dan Anugerah Khas Association of British Inventor and Innovation.)

2. Profesor Ir. Dr. Mohd Sapuan Salit (Fakulti Kejuruteraan), Development of Thermally Stable Polycrystalline Photovoltaic Module Based Novel Biocomposite Materials (pingat emas).

3. Dr. Mohd Rafii Yusop (Institut Pertanian Tropika dan Sekuriti Makanan), PadiU

Putra 1: High yield and Blast-Resistance Rice Variety (pingat perak).

4. Ahmad Haniff Jaafar (Fakulti Sains dan Teknologi Makanan), Standardized Cosmos Powder with Potent Antidiabetic and Antioxidant Property, (pingat perak).

5. Dr. Ahmed Osumanu Haruna (Fakulti Pertanian, Sains dan Teknologi UPMKB), Agrowastes to Organic Amendments Improve Soil Health Crop Productivity and Income, (pingat perak).

6. Dr. Khozirah Shaari (Institut Biosains), An Integrated Process of Extraction and Enrichment of Flavonoids from Oil Palm Leaves, (pingat perak).

7. Muhd Khaizer Omar (Fakulti Pengajian Pendidikan), Plant Cyborg Hybrid, (pingat

gangsa).

8. Nur Kartinee Kassim (Fakulti Sains), Armigard: Biopesticide Formulation for Agriculture Insect Pest Management, (pingat gangsa).

9. Fariz Azmi (Institut Kajian Perladangan), TrichoMax: Encapsulation of biological Agents (Trichoderma harzianum), (pingat gangsa).

10. Ir. Ts. Dr. Mohamed Thariq Haji Hameed Sultan (Fakulti Kejuruteraan), PutraUAV: Novel Bio-degradable Natural Fibre Composite Material, (pingat gangsa).

Bagi Kategori Public Service Innovation Awards;

1. Asrizam Esam (Putra Science Park), Skytider - Mounting and Hanging Display Device, (pingat gangsa).



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Editor Tribun Putra
Pejabat Strategi Korporat & Komunikasi (CoSComm)
Universiti Putra Malaysia 43400 Serdang, Selangor

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Telefon : 03-9769 6189 • **Faksimili** : 03-89422609, 03-8946 8972 • **Emel** : khal.upm@gmail.com

Diterbitkan oleh Pejabat Strategi Korporat dan Komunikasi, Tingkat 3, Bangunan Canselor Putra, Universiti Putra Malaysia, 43400 UPM, Serdang, Selangor
Dicetak oleh UKM CETAK SDN. BHD. Aras bawah, Bangunan Penerbit UKM, Universiti Kebangsaan Malaysia, 43650, Bangi Selangor.